Hosted in Chicago, IL • August 16-18, 2016

9th International Symposium on Resilient Control Systems

The major purpose of this symposium is to extend and endorse particular concepts that will generate novel research and codify resilience in next generation communication system designs

Statement of Themes: Engineering systems are increasingly subjected to disturbances which are not generally predictable at design time. These disturbances can be man-made or naturally occurring, and they can be physical or cyber in nature. In order to ensure resilient system performance, multi-disciplinary control approaches that provide intrinsic state awareness and intelligence are required.

Submission Schedule

- Paper Submission Due: April 4, 2016
- Notification of Paper Acceptance: June 13, 2016
- Final Paper Submission: July 4, 2016

Cost

- $495 for registration by July 15, 2016
- $595 after deadline has passed
- $50 discount for IEEE IES and HFES members
- 50% discount for current students

Venue/Accommodations

Hilton Lisle/Naperville
3003 Corporate West Drive
Lisle, Illinois 60532
630.505.0900

Schedule

- Day 1: Special Topics Sessions
- Day 2: Paper Sessions
- Day 3: Panel and Breakouts

General Chairs

- Frank Ferrese, Naval Surface Warfare Center
  Send Email
- David Scheidt, Johns Hopkins Applied Physics Laboratory
  Send Email

Organizing Chair

- Michelle Cozzi, Naval Surface Warfare Center
  Send Email

Technical Program Chair

- Kevin Schultz, JHU APL

Call for Papers

Paper submission will be handled through the symposium website under the Symposia menu on the Resilience Week homepage.

Please refer to this website for the latest information.

- Full Papers: limited to 6 double column pages in a font no smaller than 10-points per IEEE format guidance.
- Work-in-Progress and Industry practice: limited to 4 double column pages, in a font no smaller than 10-points per IEEE format guidance. Work-in-Progress papers comprise up to 4 double-column pages, describing research that has not yet produced the results required for a regular paper, but that due its novelty and potential impact deserves to be shared with the community at an early stage. Accepted papers and Work-in-Progress papers will be published in the conference proceedings.

Topical Areas (including, but not limited to)

- Control Theory: intelligent, reconfigurable, optimal
- Control Framework: supervisory, multi-agent, distributed intelligence
- Sensor Architectures: embedded modeling and analysis, intelligence and agents, wireless control and determinism, multi-parameter integration and diversity
- Monitoring/Control Security: decoys, randomization, diversity, training and cognition, decision making, measurement
- Cyber Architecture: health indicators, defense optimization
- Data Fusion: data reduction, security characterization, data diversity, anomaly detection, response prioritization
- Computational Intelligence: machine learning, neural networks, fuzzy logic, evolutionary computation, Bayesian belief networks
- Cyber-physical power and energy systems: real-time communication, protection, control, resilience, reliability, sustainability, efficiency
- Robotic systems: Failure/error tolerance and recovery, adaptable/flexible architectures, multi-level/agent systems, multi-sensor fusion, tele-presence, probabilistic behaviors, performance validation/verification, communications security
- Cyber-physical system security
- Cyber security for industrial control systems

www.resilienceweek.com

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